



# All-Band Cellular Omnidirectional Antenna

860 MHz-960 MHz, 1710 MHz-2170 MHz

Product code: OMNI-A0069



A true all band high gain omni-directional antenna that covers all cellular frequencies including 3G/HSDPA. Its configuration makes it suitable for all fixed installations of any cellular frequency band.

## Features:

- High Gain
- Covers most Cellular bands up to UMTS
- Robust and weatherproof

## Application:

- GSM900, GSM1800, GSM1900, UMTS
- Community Telephones
- Mobile Offices
- Voice/Data



## Specifications:

### Product Code:

OMNI-A0069

N-type female connector

### Electrical:

Gain (max)	4.6 dBi in 800MHz band 6.3 dBi in 1.8GHz band
Gain (min over the band)	2.1 dBi in 800MHz band 5.5 dBi in 1.8GHz band
Frequency	860-960 MHz 1710-2170 MHz
VSWR	< 2.5:1
Feed power handling	10 W
E-plane 3 dB beamwidth	25° (± 5°)
H-plane 3 dB beamwidth	360°
Front to back (F/B ratio)	N/A
Nominal input impedance	50 Ohm
Polarisation	Linear

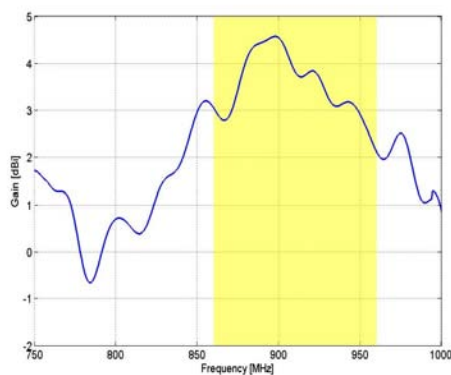
### Environmental:

Wind Loading	160 km/h
Temperature Range	- 20° C to +70° C
Shock	40G at 10 msec
Thermal Shock	- 20° C to +70° C : 10 cycles
Water Ingress Rating	IP65 (NEMA 4X)

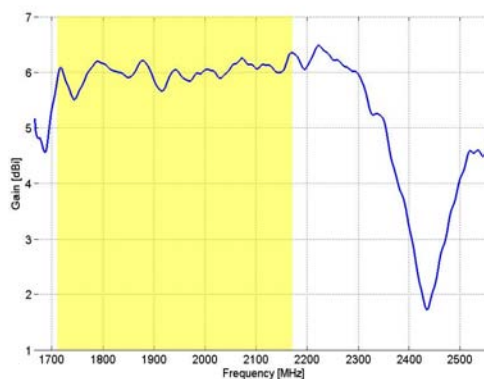
### Mechanical:

Dimensions (l x w x d)	500 mm x 50 mm x 50 mm
Weight	930 g (including bracket)
Mounting	Stainless steel brackets for up to 50 mm poles

## Gain:

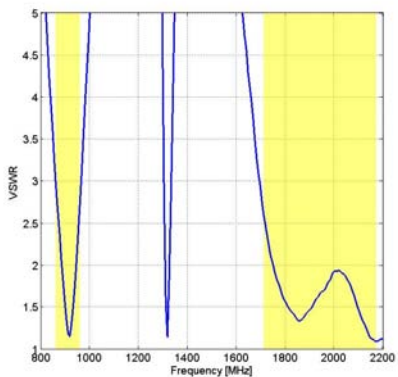


800MHz Band



1800MHz Band

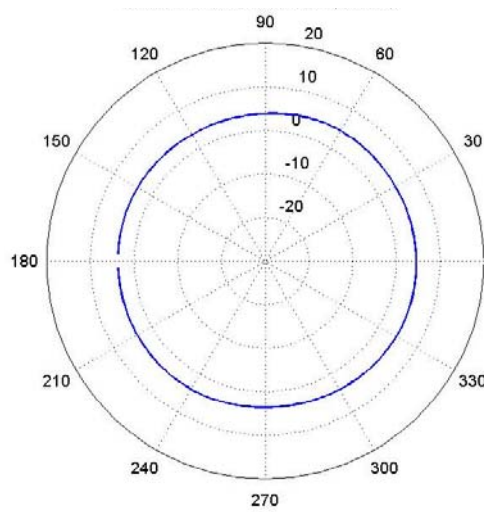
## VSWR:



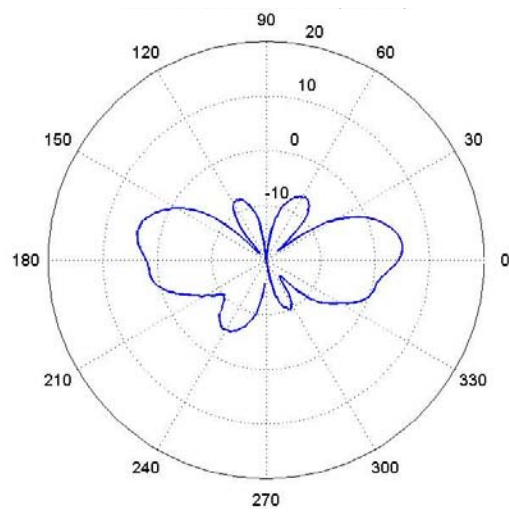
VSWR



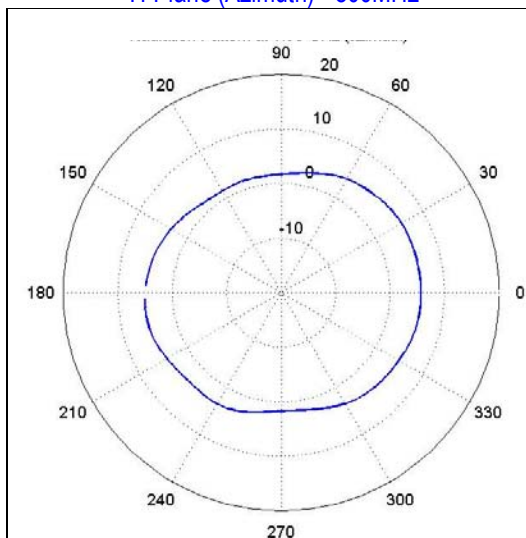
Radiation Patterns:



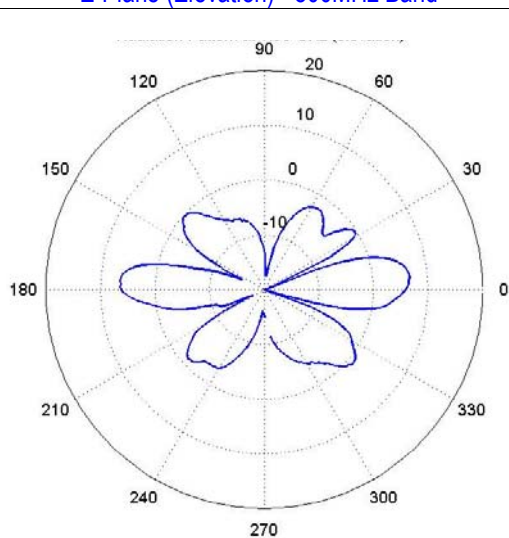
H-Plane (Azimuth) - 800MHz



E-Plane (Elevation) - 800MHz Band



H-Plane (Azimuth) - 1990MHz



E-Plane (Elevation) - 1990MHz